

08559-001

July 31, 1997

Southern Division
Naval Facilities Engineering Command
ATTN: Mr. Bryan Kizer
P.O. Box 10068
2155 Eagle Drive
North Charleston, SC 29418

Subject:

Second Quarter 1997 Interim Monitoring Plan Letter Report

Facility 159 (Gas Hill Fuel Farm) Naval Air Station (NAS) Jacksonville

Jacksonville, Florida

BACKGROUND INFORMATION

Groundwater monitoring began at Facility 159 (Gas Hill Fuel Farm) as part of an Interim Monitoring Plan (IMP) approved by the Florida Department of Environmental Protection (FDEP) on February 22, 1994. According to the plan, groundwater samples were to be collected from site monitoring wells on a quarterly basis for a duration of 2 years beginning January 1995. After 2 years, the status of the site was to be evaluated to determine if quarterly monitoring should continue for another 2-year period, or if an alternate course of action would be appropriate.

The monitoring plan was modified by the FDEP on August 1, 1994, to include additional monitoring wells not stipulated in a request by the Navy to modify the initial IMP. In 1996, two more monitoring wells were installed at the request of the FDEP and added to the IMP list bringing the total number of wells to 17.

In accordance with the conditions set forth in FDEP's letter to Southern Division, Naval Facilities Engineering Command (SOUTHNAVFACENGCOM) dated August 1, 1994, the Navy proposes to continue the IMP for an additional 2 years. SOUTHNAVFACENGCOM will send a letter under separate cover to FDEP reporting the real estate status of Facility 159 with respect to the previously planned tank farm abandonment plan, as requested in FDEP's letter to SOUTHNAVFACENGCOM dated November 27, 1995. Copies of the referenced FDEP correspondences are attached in Appendix A, Correspondences.

SECOND QUARTER 1997 GROUNDWATER SAMPLING AND ANALYTICAL RESULTS

Groundwater samples were collected from 17 monitoring wells at Facility 159 and transported to Environmental Conservation (ENCO) Laboratories in Jacksonville, Florida, for analysis. All groundwater

ABB Environmental Services Inc.



samples were analyzed for compounds specified in U.S. Environmental Protection Agency (USEPA) Methods 602 and 610. Monitoring well sampling locations and contaminant concentrations are shown on Figure 1, Appendix B. Monitoring well construction details are provided in Table B-1, Appendix B.

Table B-2, Appendix B, is a summary of the second quarter 1997 analytical results. Previous groundwater analytical data collected at the site during the first 2-year monitoring period (January 1995 to December 1996) are included in Appendix B as Tables B-3 and B-4. The data are presented to show changes in contaminant concentrations in the monitoring wells over time. Analytical results for each well sampled during the second quarter of 1997 are attached in Appendix C, Second Quarter 1997 Groundwater Analytical Results, June 5, 1997.

Only monitoring wells with contaminants detected in groundwater samples are listed in Table B-2. Contaminant concentrations in all other monitoring wells sampled during the second quarter 1997 were below method detection limits. Total volatile organic aromatics (VOAs) are not reported because the June 19, 1997, revisions to Chapter 62-770, Florida Administrative Code (FAC), have defined separate target levels for toluene, ethylbenzene, and total xylenes. There is no longer a target level for total VOAs. Because Facility 159 is in an interim monitoring status, the revised state target levels (STLs) will apply to any remedial action performed henceforth at the site.

Contaminants exceeding STLs were detected in groundwater samples from monitoring wells (JAX-159-) GH-15, GH-23, and GH-24. In monitoring wells GH-15 and GH-24, only benzene exceeded the STL. Benzene, toluene, ethylbenzene, and total xylenes exceeded the STLs in GH-23. Comparing third quarter 1996 and second quarter 1997 analytical results, benzene concentrations increased in wells GH-15 and GH-23 and decreased in well GH-24. Benzene concentrations in monitoring wells GH-13, GH-14, GH-16, GH-19, and GH-22 decreased from above STLs in the third quarter 1996 to below method detection limits in the second quarter 1997.

ABB Environmental Services, Inc., on behalf of the Navy, plans to conduct the third quarter 1997 groundwater sampling at NAS Jacksonville Facility 159 (Gas Hill Fuel Farm) in September 1997 as specified in the current IMP. Because of the interim status of the site and the fact that site remediation will be required before the fuel farm is closed, contaminant concentrations in groundwater samples collected from site monitoring wells during the current 2-year monitoring period will be compared to STLs cited in Chapter 62-770, FAC (revised June 19, 1997). Please contact me if you have any questions or comments.

Sincerely,

ABB ENVIRONMENTAL SERVICES, INC.

Phylissa Miller

Project Manager

Jim Williams, R.G.

Principal Scientist

Attachments

cc:

Lt. Beth Melendez (Naval Air Station Jacksonville)

file

JAX2Q159.LTR SAS.07.97

PROFESSIONAL REVIEW CERTIFICATION

This report was prepared under the direct supervision of a professional geologist registered in the State of Florida. The work and professional opinions rendered in this report were conducted or developed in accordance with commonly accepted procedures consistent with applicable standards of practice. This assessment is based on the geologic investigation and associated information detailed in the text and appended to this report or referenced in public literature. Recommendations are based upon interpretations of the applicable regulatory requirements, guidelines, and relevant issues discussed with regulatory personnel during the site assessment. If conditions that differ from those described are determined to exist, the undersigned geologist should be notified to evaluate the effects of any additional information on this assessment or the recommendations made in this report. This report was developed for Site 159 (Gas Hill Fuel Farm), NAS Jacksonville, Jacksonville, Florida, and should not construed to apply to any other site.

Michael J. Williams Professional Geologist

P.G. No. 344

Date

APPENDIX A CORRESPONDENCES



Department of Environmental Protection

Lawren Chiles Governor Twin Towers Office Building 2600 Bair Scone Road Tallahassee, Florida 32399,2400 November 27, 1995

Virginia 8. Westered

Mr. Bryan Kizer Code 1842 SOUTHNAVFACENCOOM 2155 Eagle Dr., P.O. Box 190010 Worth Charleston, S.C. 29419-9010

RE: MOP Second Quarter Results
Gas Hill Site
Jacksonville Naval Air Station, Florida

Dear Mr. Kizer:

The Bureau of Waste Cleanup has reviewed the First Quarter Monitoring Only Report (MOR) dated October 1995, (received November 16, 1995), submitted for this site. In order for the informal Long Term Monitoring Only Plan to continue, the following changes/actions must be implemented:

- Due to increases in VOCs at monitor well JAX-159-GE-14, the Navy must intall:
 - a. A water table well located 30 feet southeast of well 159-GH-14,
 - b. an intermediate depth well adjacent to the above requested well, and
 - c. The previously destroyed well No. JAX 159-GH-?.

All of the above requested wels must be part of the current Long Term Monitoring Plan.

The Navy must report the real estate status of this facility with respect to a previously planned tank farm abandonment plan. Please, include this report as part of the Second Quarter MOP Results and all quarterly reports.

Once the above requested changes are implemented, the monitoring program should be continued as outlined in the Department's August 1, 1994 Monitoring Only Plan (MOP) Approval Order.



Department of Environmental Protection

Lawton Chiles Governor Twin Towers Office Building 2600 Blair Stone Road Tallahassee, Florida 32399-2400

Virginia B. Wetherell Secretary

August 1, 1994

Mr. Herb Fraser-Rahim, P.E. Petroleum Branch SOUTHNAVFACENGCOM 2155 Eagle Drive, P.O. Box 190010 North Charleston, S.C. 29419-9010

> RE: Interim Monitoring Only Plan (MOP) for Gas Hill Jacksonville Naval Air Station. Dated May 23, 1994 (received May 31, 1994)

Dear Mr. Fraser:

The Bureau of Waste Cleanup has reviewed the request for modification of the current Interim Monitoring Plan issued on February 22, 1994. The request has been modified to include additional wells not stipulated in the request; therefore, and pursuant to Rule 17-770.630(4), Florida Administrative Code (F.A.C.), the Department approves the following modified "interim monitoring only" proposal until the fate of the above referenced facility is decided. Pursuant to Rules 17-770.660 and 17-770.700(3), F.A.C., you are required to complete the interim monitoring program outlined below, and to submit the analytical results to the Department within sixty (60) days of sample collection:

Monitoring Wells	<u>Parameters</u>	Frequency	Duration
Jax-159-GH-4 Jax-159-GH-5 Jax-159-GH-6 Jax-159-GH-7	EPA Methods 602 (including MTBE) and 610	Quarterly	Two Years
Jax-159-GH-8 Jax-159-GH-9 Jax-159-GH-10 Jax-159-GH-13 Jax-159-GH-14			
Jax-159-GH-15 Jax-159-GH-16 Jax-159-GH-17 Jax-159-GH-19			
Jax-159-GH-20 Jax-159-GH-22			

Mr. Fraser-Rahim August 1, 1994 Page Two

Likewise and as accorded in our May 21, 1993 meeting, the Navy shall submit a semiannual report on the facility's current and future use and/or retrofitting schedules. The program is limited to a biannual period to periodically review the status and trends of the groundwater plume under the storage farm and to decide, if needed, on a different course of action. If no changes are noted in the plume status, the interim MOP will be extended again for a period of two more years. If I can be of any further assistance with this matter, please contact me at 904/488-3935.

Jorge R. Caspary, P.G. Remedial Project Manager

Sincerely,

cc: Jorge R. Caspary, FDEP
Kevin Gartland, NAS Jacksonville

Larry Krestalude, DER Northeast District Office

APPENDIX B

TABLES

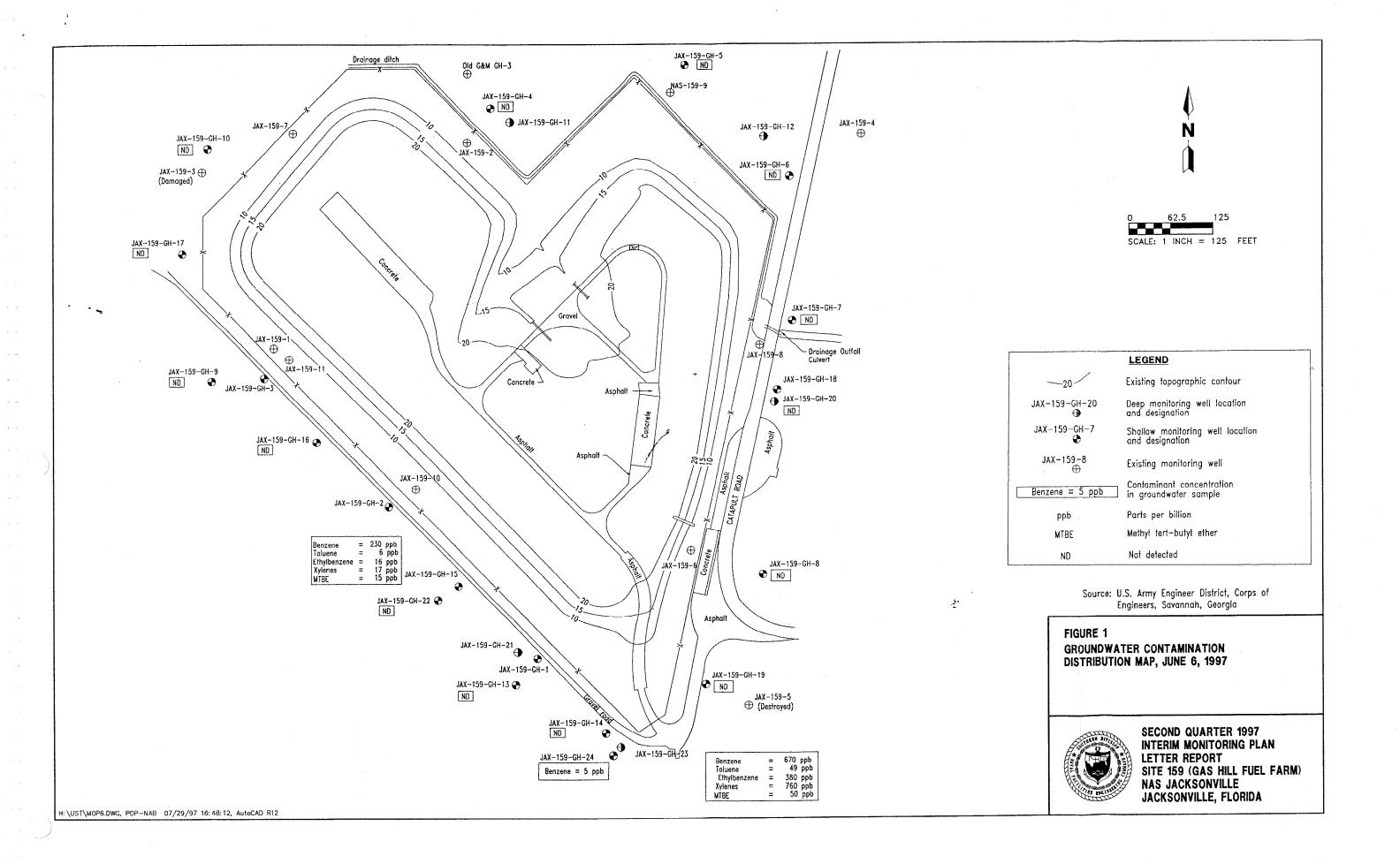


Table B-1 Monitoring Well Construction Data

Second Quarter 1997 Interim Monitoring Plan Letter Report Facility 159 (Gas Hill Fuel Farm) Naval Air Station Jacksonville Jacksonville, Florida

Well No.	Total Depth of Well (ft bis)	Top of Casing to Ground Surface (ft.)	Surveyed Top of Casing Elevation (msl)	Screened Interval Depth (ft.)
JAX-159-GH-4	10.00	flush	6.56	1.0 to 10.0
JAX-159-GH-5	10.00	flush	6.87	1.0 to 10.0
JAX-159-GH-6	11.00	flush	6.79	2.0 to 11.0
JAX-159-GH-7	10.00	flush	5.94	1.0 to 10.0
JAX-159-GH-8	12.50	3.20	11.34	3.5 to 12.5
JAX-159-GH-9	10.00	3.25	9.25	1.0 to 10.0
JAX-159-GH-10	10.00	3.20	8.17	1.0 to 10.0
JAX-159-GH-13	10.00	3.00	10.44	1.0 to 10.0
JAX-159-GH-14	10.55	3.25	9.55	0.6 to 9.6
JAX-159-GH-15	10.73	2.87	9.36	0.7 to 9.7
JAX-159-GH-16	10.13	2.97	9.32	0.6 to 9.6
JAX-159-GH-17	11.60	3.03	8.59	1.6 to 10.6
JAX-159-GH-19	10.83	flush	6.38	0.8 to 9.8
JAX-159-GH-20	36.0	flush	5.89	30.9 to 35.4
JAX-159-GH-22	13.92	4.11	10.04	3.9 to 12.9
JAX-159-GH-23	30.00	3.01	8.60	25.0 to 29.0
JAX-159-GH-24	12.00	3.06	8.73	2.6 to 11.6

Notes: ft bis = feet below land surface.

ft = feet.

msl = mean sea level.

flush = level with ground surface.

Table B-2 Summary of Groundwater Sample Analytical Results

Second Quarter 1997 Interim Monitoring Plan Letter Report Facility 159 (Gas Hill Fuel Farm) Naval Air Station Jacksonville Jacksonville, Florida

	JAX-159-GH-15	JAX-159-GH-23	JAX-159-GH-24	State Target
Compound Detected	6/6/97	6/6/97	6/6/97	Level ¹
Volatile Organic Comp	ounds (USEPA Me	ethod 602) (ppb)		
Benzene	^{2,3} 230	^{2,3} 670	² 5	1
Toluene	6	^{2,3} 49	ND	40
Ethylbenzene	16	^{2,3} 380	ND	30
Total xylenes	17	^{2,3} 760	ND	20
MTBE	15	^{2,3} 50	ND	35

¹ Chapter 62-770, Florida Administrative Code (revised June 19, 1997).

Notes: USEPA = U.S. Environmental Protection Agency.

ppb = parts per billion. ND = not detected.

MTBE = methyl tert butyl ether.

² Contaminant concentration exceeds State target levels.

³ Contaminant concentration higher than sample collected the previous quarter.

Table B-3 Summary Comparison of Analytical Results for Total Volatiles 1995 Quarterly MOP Sampling/Analysis

Second Quarter 1997 Interim Monitoring Plan Letter Report Facility 159 (Gas Hill Fuel Farm) Naval Air Station Jacksonville Jacksonville, Florida

Well No.	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
JAX-159-GH-4	BDL	1.3	BDL	1.1
JAX-159-GH-5	BDL	BDL	BDL	BDL
JAX-159-GH-6	BDL	6.1	2.2	BDL
JAX-159-8	BDL	BDL	BDL	BDL
JAX-159-GH-8	BDL	BDL	BDL	1.2
JAX-159-GH-9	BDL	BDL	BDL	BDL
JAX-159-GH-10	BDL	BDL	BDL	BDL
JAX-159-GH-13	BDL	BDL	BDL	BDL
JAX-159-GH-14	¹ 498	122	95.6	¹ 2,353
JAX-159-GH-15	¹ 1,773	¹ 478	271	11,290
JAX-159-GH-16	BDL	6	BDL	BDL
JAX-159-GH-17	BDL	BDL	BDL	BDL
JAX-159-GH-19	14	7.8	5.5	26
JAX-159-GH-20	BDL	BDL	BDL	BDL
JAX-159-GH-22	BDL	BDL	BDL	BDL

¹ Concentration of duplicate sample.

Notes: All measurements are in parts per billion.

MOP = Monitoring Only Plan. BDL = below detection limit.

Table B-4 Summary Comparison of Analytical Results for Total Volatiles 1996 Quarterly MOP Sampling/Analysis

Second Quarter 1997 Interim Monitoring Plan Letter Report Facility 159 (Gas Hill Fuel Farm) Naval Air Station Jacksonville Jacksonville, Florida

Well No.	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
JAX-159-GH-4		BDL	BDL.	**
JAX-159-GH-5		BDL	BDL	· _
JAX-159-GH-6		2.3	BDL	-
JAX-159-8		BDL	BDL	· ·
JAX-159-GH-8	· 	BDL	BDL	
JAX-159-GH-9		BDL	BDL	,
JAX-159-GH-10		BDL	BDL	
JAX-159-GH-13	·	BDL	1.2	 ,
JAX-159-GH-14	 '	51.2	49.2	en e
JAX-159-GH-15		926	¹313	
JAX-159-GH-16		BDL	1.1	
JAX-159-GH-17		BDL	BDL	·
JAX-159-GH-19	 .	5.1	1.5	ma
JAX-159-GH-20		BDL	¹ BDL	
JAX-159-GH-22		BDL	3.5	-
JAX-159-GH-23		1,461	² 315	-
JAX-159-GH-24		45.2	² 35.6	**

¹ Concentration of duplicate sample.

Notes: All measurements are in parts per billion.

MOP = Monitoring Only Plan.

-- = not sampled.

BDL = below detection limit.

² Value based on reextracted and/or reanalyzed samples due to surrogate recoveries outside established limits.

APPENDIX C

SECOND QUARTER GROUNDWATER ANALYTICAL RESULTS, JUNE 1997

FACILITY 159 (GAS HILL FUEL FARM) ANALYTICAL RESULTS

JR6049-1 6/4/97 GHG0	22001:	
1,2-Dichlorobenzene	1	U μg/l
1,3-Dichlorobenzene	1	$U \mu g/l$
1,4-Dichlorobenzene	1	U μg/l
1-Methylnaphthalene	10	$U \mu g/l$
2-Methylnaphthalene	10	$U \qquad \mu g/l$
Acenaphthene	10	$U \mu g/l$
Acenaphthylene	10	$U \mu g/l$
Anthracene	10	$U \mu g/l$
Benzene	1	$U \mu g/l$
Benzo(a)anthracene	10	1 0/
Benzo(a)pyrene	10	1 47
Benzo(b)fluoranthene	10	, 0,
Benzo(g,h,i)perylene	10	1 0/
Benzo(k)fluoranthene	10	1 0,
Chlorobenzene	1	, 0,
	10	$U \qquad \mu g/\ell$
Chrysene		U μg/l
Dibenzo(a,h)anthracene	10	U μg/l
Ethylbenzene	1	$U \mu g/l$
Fluoranthene	10	$U \mu g/l$
Fluorene	10	U μg/l
Indeno(1,2,3-cd)pyrene	10	$U \mu g/\ell$
Methyl tert-butylether	2	$U \mu g/l$
Naphthalene	10	$U \mu g/\ell$
Phenanthrene	10	$U \mu g/l$
Pyrene	10	$U \mu g/l$
Toluene	1	U $\mu g/\ell$
m-Xylene &p-Xylene	1	U $\mu g/\ell$
o-Xylene	1	$U \mu g/l$
<u>JR6049-2</u> 6/4/97 <u>GHG00601</u> :		
1,2-Dichlorobenzene	1	$U \mu g/l$
1,3-Dichlorobenzene	1	U μg/l
1,4-Dichlorobenzene	1	U μg/l
1-Methylnaphthalene	10	U μg/l
2-Methylnaphthalene	10	U μg/l
Acenaphthene	10	$U \qquad \mu g/\ell$
Acenaphthylene	10	U μg/l
Anthracene	10	$U \mu g/l$
Benzene	1	$U \qquad \mu g/l$
Benzo(a)anthracene	10	, 0,
Benzo(a)pyrene	10	1.07
Benzo(b)fluoranthene	10	1-0/
Benzo(g,h,i)perylene	10	, 0,
Benzo(k)fluoranthene	10	1.0/
Chlorobenzene	10	, 0,
Chrysene	10	, 0,
Dibenzo(a,h)anthracene	10	U μg/l U μg/l
Ethylbenzene	10	1.0/
Delia Taelizelle	.	$U \mu g/l$

<u>JR6049-2</u> 6/4/97 <u>GHG00601</u> :	(Continued)
Fluoranthene	10 U μg/l
Fluorene	, 0,
Indeno(1,2,3-cd)pyrene	, 3,
Methyl tert-butylether	<i>' 6/ ''</i>
Naphthalene	7 67 1
Phenanthrene	, 6/
Pyrene	, 8/
Toluene	. 0/
m-Xylene &p-Xylene	$egin{array}{cccccccccccccccccccccccccccccccccccc$
o-Xylene	$\frac{1}{1}$ U $\mu g/\ell$
	1 μβ/λ
<u>JR6049-3 6/4/97 GHG00701</u> :	
1,2-Dichlorobenzene	$\frac{1}{2}$ U $\mu g/\ell$
1,3-Dichlorobenzene	1 U $\mu g/\ell$
1,4-Dichlorobenzene	1 U $\mu g/\ell$
1-Methylnaphthalene	10 U $\mu g/\ell$
2-Methylnaphthalene	10 U $\mu g/\ell$
Acenaphthene	10 U $\mu g/\ell$
Acenaphthylene	10 U $\mu g/\ell$
Anthracene	10 U $\mu g/\ell$
Benzene	1 U $\mu g/\ell$
Benzo(a)anthracene	10 U $\mu g/\ell$
Benzo(a)pyrene	10 U $\mu g/\ell$
Benzo(b)fluoranthene	10 U $\mu g/\ell$
Benzo(g,h,i)perylene	10 U $\mu g/\ell$
Benzo(k)fluoranthene	10 U $\mu g/\ell$
Chlorobenzene	1 U $\mu g/\ell$
Chrysene	10 U $\mu g/\ell$
Dibenzo(a,h)anthracene	10 U $\mu g/\ell$
Ethylbenzene	1 U $\mu g/\ell$
Fluoranthene	10 U $\mu g/\ell$
Fluorene	10 U $\mu g/\ell$
Indeno(1,2,3-cd)pyrene	10 U $\mu g/\ell$
Methyl tert-butylether	2 U $\mu g/\ell$
Naphthalene	10 U $\mu g/\ell$
Phenanthrene	10 U $\mu g/\ell$
Pyrene	10 U $\mu g/\ell$
Toluene	1 U $\mu g/\ell$
m-Xylene &p-Xylene	1 U $\mu g/\ell$
o-Xylene	1 U $\mu g/l$
<u>JR6049-4 6/4/97 GHG00501</u> :	
1 0 Di-blamba =	
1,2-Dichlorobenzene	1 U $\mu g/\ell$
1,3-Dichlorobenzene	$\frac{1}{1}$ U $\mu g/\ell$
1,4-Dichlorobenzene	1 U $\mu g/\ell$
1-Methylnaphthalene	10 U $\mu g/\ell$
2-Methylnaphthalene Acenaphthene	10 U μg/l
Acenaphichene	10 U $\mu g/l$

JR6049-4	6/4/97	GHG00501:	(Continued)			
Acenaphthylene	•		10		U .	$\mu g/\ell$
Anthracene			10		U -	μg/l
Benzene			1		U	$\mu g/\ell$
Benzo(a)anthracene			10		U	$\mu g/\ell$
Benzo(a)pyrene			10		U	$\mu g/l$
Benzo(b)fluoranthe	ne		10		U	$\mu g/\ell$
Benzo(g,h,i)peryle			10		U	$\mu g/\ell$
Benzo(k)fluoranthe			10		U	$\mu g/l$
Chlorobenzene			1		U	$\mu g/l$
Chrysene			10		U	$\mu g/l$
Dibenzo(a,h)anthra	cene		10		U	$\mu {\sf g}/{\it l}$
Ethylbenzene			1		U .	μ g/l
Fluoranthene			10		U	$\mu g/\mathit{l}$
Fluorene			10		U	$\mu g/\ell$
Indeno(1,2,3-cd)py	rene		10		U	$\mu {\sf g}/\ell$
Methyl tert-butyle			2		U	$\mu g/l$
Naphthalene			10		U	$\mu g/\ell$
Phenanthrene			10		U	$\mu {\sf g}/\ell$
Pyrene			10		U	$\mu {\sf g}/\ell$
Toluene			1		Ū	$\mu g/\ell$
m-Xylene &p-Xylene			1		U	$\mu g/\ell$
o-Xylene			1		U	$\mu {\sf g}/{\it l}$
JR6049-5	6/4/97	GHG00401	<u>.:</u>	•		
1,2-Dichlorobenzer	ne		1		U .	μg/l
1,3-Dichlorobenzer			1		U	μg/l
1,4-Dichlorobenzer			1		U	$\mu g/\ell$
1-Methylnaphthaler			10		U	$\mu g/\ell$
2-Methylnaphthaler			10		U.	$\mu g/\ell$
Acenaphthene			10		U	$\mu g/\ell$
Acenaphthylene			10		U	$\mu g/l$
Anthracene			10		U	$\mu g/l$
Benzene			1		U	$\mu g/l$
Benzo(a)anthracene	3		10		U	$\mu g/\ell$
Benzo(a)pyrene			10		U	$\mu g/\ell$
Benzo(b)fluoranthe	ene		10		U	$\mu g/l$
Benzo(g,h,i)peryle			10		U	$\mu g/l$
Benzo(k)fluoranthe			10		U	$\mu g/\ell$
Chlorobenzene			1		U	$\mu g/l$
Chrysene			10		U	$\mu g/\ell$
Dibenzo(a,h)anthra	acene		10		U	$\mu g/\ell$
Ethylbenzene			1		U	μg/l
Fluoranthene			10		U	$\mu g/l$
Fluorene			10		U	$\mu g/\ell$
Indeno $(1,2,3-cd)$ py	yrene		10		U	$\mu g/\ell$
Methyl tert-butyle			2		U	μg/l
Naphthalene			10		U	$\mu g/\ell$
Phenanthrene			10		U	$\mu g/l$
Pyrene			10		U	$\mu g/\ell$
Toluene			1		U .	$\mu g/\ell$

JR6049-5	6/4/97	GHG00401:	(Continued)		
m-Xylene &p-Xylene			1	U	μg/l
o-Xylene			1	U	$\mu g/\ell$
JR6049-6	6/4/97	_GHG00901:			
	<u> </u>				
1,2-Dichlorobenzene			1	U	$\mu g/l$
1,3-Dichlorobenzene			1	U	μg/l
1,4-Dichlorobenzene			1	U	$\mu g/l$
1-Methylnaphthalene			10	U	$\mu g/l$
2-Methylnaphthalene			10	U	μ g/ ℓ
Acenaphthene			10	U	μ g/ ℓ
Acenaphthylene			10	U	μ g/ ℓ
Anthracene			10	U	$\mu g/l$
Benzene			1	U	$\mu g/l$
Benzo(a)anthracene			10	U	$\mu {\sf g}/{\it l}$
Benzo(a)pyrene			10	U	$\mu g/\ell$
Benzo(b)fluoranthene			10	U	$\mu g/l$
Benzo(g,h,i)perylene			10	Ū	$\mu g/\ell$
Benzo(k)fluoranthene			10	U	$\mu g/l$
Chlorobenzene			1	U	$\mu g/\ell$
Chrysene			10	U	$\mu {\sf g}/\ell$
Dibenzo(a,h)anthrace	ne		10	U	$\mu {\sf g}/{\it l}$
Ethylbenzene			1	U	$\mu g/l$
Fluoranthene			10	U	$\mu g/l$
Fluorene			10	U	$\mu g/l$
Indeno(1,2,3-cd)pyre			10	U	$\mu g/\ell$
Methyl tert-butyleth	er		2	U	$\mu {\sf g}/\ell$
Naphthalene			10	U	$\mu {\sf g}/\ell$
Phenanthrene			10	U	$\mu g/\mathit{l}$
Pyrene			10	U	$\mu {\sf g}/\ell$
Toluene			1	U	$\mu {\sf g}/\ell$
m-Xylene &p-Xylene			1	U	$\mu g/\ell$
o-Xylene			1.	U	$\mu g/l$
TD (0/0 7		037001001			
JR6049-7	6/4/97	GHG01001:			
1,2-Dichlorobenzene			1	U	115-/0
1,3-Dichlorobenzene			1	U	μg/l
1,4-Dichlorobenzene			1	U	μg/l
1-Methylnaphthalene			10	Ū	μg/l
2-Methylnaphthalene			10	Ū	μg/l
Acenaphthene			10	U	$\mu g/\ell$
Acenaphthylene			10	U	μg/l
Anthracene			10	U	μg/l
Benzene			1	U	μg/l
Benzo(a)anthracene			10	U	μg/l
Benzo(a)pyrene			10	Ū	μg/l
Benzo(b)fluoranthene			10	U .	μg/l μg/l
Benzo(g,h,i)perylene			10	U	μg/l μg/l
Benzo(k)fluoranthene			10	Ū	μg/l μg/l
				J	46/ x

JR6049-7	6/4/97	GHG01001:	(Continued)		
Chlorobenzene			1	Ţ	J μg/l
Chrysene			10	τ	
Dibenzo(a,h)anthrace	ene		10	·U	
Ethylbenzene	,		1	τ	
Fluoranthene			10	τ	
Fluorene			10	Ţ	
Indeno(1,2,3-cd)pyr	ene		10	τ	
Methyl tert-butylet			2	J	
Naphthalene	,		10	· · · · · · · · · · · · · · · · · · · ·	
Phenanthrene			10	Ţ	
Pyrene			10	Ţ	
Toluene			1	τ	J $\mu g/\ell$
m-Xylene &p-Xylene			1	Ţ	$\mu g/\ell$
o-Xylene			1	, 1	$\mu g/l$
5 11 <i>y</i> 15115					
JR6049-8	6/4/97	<u>GHG01701</u> :			
1 0 7: 11 - 1			1	ī	U μg/l
1,2-Dichlorobenzene			1		$U \mu g/\ell$
1,3-Dichlorobenzene			1		$U \mu g/l$
1,4-Dichlorobenzene			10		$U \mu g/l$
1-Methylnaphthalene					
2-Methylnaphthalene			10		
Acenaphthene			10		
Acenaphthylene			10		. 0,
Anthracene			10		
Benzene			1		U μg/l
Benzo(a)anthracene			10		$U \mu g/\ell$
Benzo(a)pyrene			10		$U \mu g/l$
Benzo(b)fluoranther			10		U μg/l
Benzo(g,h,i)peryler			10		U μg/l
Benzo(k)fluoranther	ie		10		U μg/l
Chlorobenzene			1		U μg/l
Chrysene			10		U μg/l
Dibenzo(a,h)anthrac	ene		10		U μg/l
Ethylbenzene			1		U μg/l
Fluoranthene			10		$U \mu g/l$
Fluorene			10		$U \mu g/l$
Indeno(1,2,3-cd)py1			10		$U \mu g/\ell$
Methyl tert-butylet	ther		2		$U \mu g/\ell$
Naphthalene			10		$U \mu g/l$
Phenanthrene			10		$U \mu g/l$
Pyrene			10		$U \mu g/l$
Toluene			1		$U \mu g/\ell$
m-Xylene &p-Xylene			1		$U \mu g/\ell$
o-Xylene			1		$U \mu g/l$

1,3-Dichlorobenzene 1 U	12
1,4-Dichlorobenzene	
1	
Benzene	/ l
Ethylbenzene 1 U µg Methyl tert-butylether 2 U µg m-Xylene &p-Xylene 1 U µg m-Xylene &p-Xylene 1 U µg o-Xylene 1 U µg o-Xylene 1 U µg o-Xylene 1 U µg JR6052-1 6/5/97 GHG01601: 1,2-Dichlorobenzene 1 U µg 1,3-Dichlorobenzene 1 U µg 1,4-Dichlorobenzene 1 U µg 1-Methylnaphthalene 10 U µg 2-Methylnaphthalene 10 U µg Acenaphthene 10 U µg Acenaphthylene 10 U µg Acenaphthylene 10 U µg Benzene 1 U µg Benzene 1 U µg Benzo(a) anthracene 10 U µg Benzo(a) pyrene 10 U µg Benzo(b) fluoranthene 10 U µg Benzo(k) fluoranthen	/l
Methyl tert-butylether 2 U µ8 Toluene 1 U µ8 m-Xylene 1 U µ8 o-Xylene 1 U µ8 JR6052-1 6/5/97 GHG01601: U µ8 1,2-Dichlorobenzene 1 U µ8 1,4-Dichlorobenzene 1 U µ8 1,4-Dichlorobenzene 1 U µ8 1,4-Dichlorobenzene 1 U µ8 1,4-Dichlorobenzene 1 U µ8 2-Methylnaphthalene 10 U µ8 Acenaphthylene 10 U µ8 Acenaphthylene 10 U µ8 Anthracene 10 U µ8 Benzo(a)anthracene 10 U µ8 Benzo(a)anthracene 10 U µ8 Benzo(b)fluoranthene 10 U µ8 Benzo(k)fluoranthene 10 U µ8	
Toluene 1 U µ2 m-Xylene &p-Xylene 1 U µ2 o-Xylene 1 U µ2 JR6052-1 6/5/97 GHG01601: 1,2-Dichlorobenzene 1 U µ2 1,4-Dichlorobenzene 1 U µ2 1-Methylnaphthalene 10 U µ2 2-Methylnaphthalene 10 U µ2 Acenaphthene 10 U µ2 Acenaphthylene 10 U µ2 Anthracene 10 U µ2 Benzo(a) anthracene 10 U µ2 Benzo(a) pyrene 10 U µ2 Benzo(b) fluoranthene 10 U µ2 Benzo(b, i) perylene 10 U µ2 Benzo(k) fluoranthene 10 U µ2 Benzo(k) fluoranthene 10 U µ2 Benzo(a, h) anthracene 10 U µ2 Benzo(a, h) anthracene 10 U µ2 Biluoranthene 10 U µ3 Benzo(a, h) anthracene 10 U µ4 Benzo(a, h) anthracene 10 U µ4 Benzo(a, h) anthracene 10 U µ4 Biluoranthene 10 U µ4 Biluoranth	
m-Xylene &p-Xylene 1 U	
JR6052-1 6/5/97 GHG01601: U µ8	
JR6052-1 6/5/97 GHG01601:	
1,2-Dichlorobenzene 1 U #8 1,3-Dichlorobenzene 1 U #8 1,4-Dichlorobenzene 1 U #8 1-Methylnaphthalene 10 U #8 2-Methylnaphthalene 10 U #8 Acenaphthene 10 U #8 Acenaphthylene 10 U #8 Acenaphthylene 10 U #8 Benzene 10 U #8 Benzo(a) anthracene 10 U #8 Benzo(a) pyrene 10 U #8 Benzo(b) fluoranthene 10 U #8 Benzo(b) fluoranthene 10 U #8 Benzo(b) fluoranthene 10 U #8 Benzo(k) fluoranthene 10 U #8 Benzo(k) fluoranthene 10 U #8 Benzo(a) h) anthracene 10 U #8 Benzo(b) fluoranthene 10 U #8 Benzo(b) fluoranthene 10 U #8 Benzo(c) fluoranthene 10 U #8 Ben	/ X
1,2-Dichlorobenzene 1 U #8 1,3-Dichlorobenzene 1 U #8 1,4-Dichlorobenzene 1 U #8 1-Methylnaphthalene 10 U #8 2-Methylnaphthalene 10 U #8 Acenaphthene 10 U #8 Acenaphthylene 10 U #8 Acenaphthylene 10 U #8 Benzene 10 U #8 Benzo(a) anthracene 10 U #8 Benzo(a) pyrene 10 U #8 Benzo(b) fluoranthene 10 U #8 Benzo(b) fluoranthene 10 U #8 Benzo(b) fluoranthene 10 U #8 Benzo(k) fluoranthene 10 U #8 Benzo(k) fluoranthene 10 U #8 Benzo(a) h) anthracene 10 U #8 Benzo(b) fluoranthene 10 U #8 Benzo(b) fluoranthene 10 U #8 Benzo(c) fluoranthene 10 U #8 Ben	
1,3-Dichlorobenzene 1 U	
1,4-Dichlorobenzene 1 U	/l
1-Methylnaphthalene 10 U	
2-Methylnaphthalene 10 U	
Acenaphthene 10 U	
Acenaphthylene Anthracene Benzene Benzene Benzo(a) anthracene Benzo(b) fluoranthene Benzo(g,h,i)perylene Benzo(k) fluoranthene Benzo(k) fluoranthene In Benzo(k) fluoranthene In Benzo(a,h) anthracene In Benzo(a) pyrene In B	
Anthracene 10 U	
Benzene 1 U #8 Benzo(a)anthracene 10 U #8 Benzo(a)pyrene 10 U #8 Benzo(b)fluoranthene 10 U #8 Benzo(g,h,i)perylene 10 U #8 Benzo(k)fluoranthene 10 U #8 Chlorobenzene 1 U #8 Chrysene 10 U #8 Chrysene 10 U #8 Dibenzo(a,h)anthracene 10 U #8 Ethylbenzene 1 U #8 Fluoranthene 10 U #8 Fluorene 10 U #8 Indeno(1,2,3-cd)pyrene 10 U #8 Methyl tert-butylether 2 U #8 Naphthalene 10 U #8 Phenanthrene 10 U #8 Pyrene 10 U #8 Toluene 1 U #8	
Benzo(a)anthracene 10 U #8 Benzo(a)pyrene 10 U #8 Benzo(b)fluoranthene 10 U #8 Benzo(g,h,i)perylene 10 U #8 Benzo(k)fluoranthene 10 U #8 Chlorobenzene 1 U #8 Chrysene 10 U #8 C	
Benzo(a)pyrene 10 U #8 Benzo(b)fluoranthene 10 U #8 Benzo(g,h,i)perylene 10 U #8 Benzo(k)fluoranthene 10 U #8 Chlorobenzene 1 U #8 Chrysene 10 U #8 Chrysene 10 U #8 Dibenzo(a,h)anthracene 10 U #8 Ethylbenzene 1 U #8 Fluoranthene 10 U #8 Fluorene 10 U #8 Indeno(1,2,3-cd)pyrene 10 U #8 Methyl tert-butylether 2 U #8 Naphthalene 10 U #8 Phenanthrene 10 U #8 Pyrene 10 U #8 Toluene 1 U #8	
Benzo(b)fluoranthene 10 U #8 Benzo(g,h,i)perylene 10 U #8 Benzo(k)fluoranthene 10 U #8 Chlorobenzene 1 U #8 Chrysene 10 U #8 Chrysene 10 U #8 Dibenzo(a,h)anthracene 10 U #8 Ethylbenzene 1 U #8 Fluoranthene 10 U #8 Fluorene 10 U #8 Indeno(1,2,3-cd)pyrene 10 U #8 Methyl tert-butylether 2 U #8 Naphthalene 10 U #8 Phenanthrene 10 U #8 Pyrene 10 U #8 Toluene 1 U #8	./2
Benzo(g,h,i)perylene 10 U µg Benzo(k)fluoranthene 10 U µg Chlorobenzene 1 U µg Chrysene 10 U µg Dibenzo(a,h)anthracene 10 U µg Ethylbenzene 1 U µg Fluoranthene 10 U µg Fluorene 10 U µg Indeno(1,2,3-cd)pyrene 10 U µg Methyl tert-butylether 2 U µg Naphthalene 10 U µg Phenanthrene 10 U µg Pyrene 10 U µg Toluene 1 U µg	
Benzo(k) fluoranthene 10 U µ8 Chlorobenzene 1 U µ8 Chrysene 10 U µ8 Dibenzo(a,h) anthracene 10 U µ8 Ethylbenzene 1 U µ8 Fluoranthene 10 U µ8 Fluorene 10 U µ8 Indeno(1,2,3-cd)pyrene 10 U µ8 Methyl tert-butylether 2 U µ8 Naphthalene 10 U µ8 Pyrene 10 U µ8 Toluene 1 U µ8	
Chlorobenzene 1 U µ Chrysene 10 U µ Dibenzo(a,h)anthracene 10 U µ Ethylbenzene 1 U µ Fluoranthene 10 U µ Fluorene 10 U µ Indeno(1,2,3-cd)pyrene 10 U µ Methyl tert-butylether 2 U µ Naphthalene 10 U µ Phenanthrene 10 U µ Pyrene 10 U µ Toluene 1 U µ	12
Chrysene 10 U µ 10	
Dibenzo(a,h)anthracene10U μ_0 Ethylbenzene1U μ_0 Fluoranthene10U μ_0 Fluorene10U μ_0 Indeno(1,2,3-cd)pyrene10U μ_0 Methyl tert-butylether2U μ_0 Naphthalene10U μ_0 Phenanthrene10U μ_0 Pyrene10U μ_0 Toluene1U μ_0	
Ethylbenzene 1 U	5/l
Fluoranthene 10 U μ_1 Fluorene 10 U μ_2 Indeno(1,2,3-cd)pyrene 10 U μ_3 Methyl tert-butylether 2 U μ_4 Naphthalene 10 U μ_4 Pyrene 10 U μ_5 Toluene 1 U μ_6	5/l
Fluorene 10 U μ_{0} Indeno(1,2,3-cd)pyrene 10 U μ_{0} Methyl tert-butylether 2 U μ_{0} Naphthalene 10 U μ_{0} Phenanthrene 10 U μ_{0} Pyrene 10 U μ_{0} Toluene 1 U μ_{0}	5/l
Indeno(1,2,3-cd)pyrene 10 U μ Methyl tert-butylether 2 U μ Naphthalene 10 U μ Phenanthrene 10 U μ Pyrene 10 U μ Toluene 10 U μ	;/l
Methyl tert-butylether 2 U μ Naphthalene 10 U μ Phenanthrene 10 U μ Pyrene 10 U μ Toluene 1 U μ	5/l
Naphthalene 10 U μ Phenanthrene 10 U μ Pyrene 10 U μ Toluene 1 U μ	5/l
Phenanthrene 10 U μ Pyrene 10 U μ Toluene 1 U μ	5/l
Pyrene 10 U μ Toluene 1 U μ	3/l
Toluene 1 U μ	3/l
m-Xylene &p-Xylene U μ	5/l
	z/l
o-Xylene 1 U μ	3/ l
JR6052-10 6/5/97 GHG02301D:	
1,2-Dichlorobenzene 1 U μ	g/l
I, E DIOMICIONO	g/l
	g/l
1-Methylnaphthalene 10 U μ	g/l
2-Methylnaphthalene 10 U μ	g/l
Acenaphthene 10 U μ	g/l

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JR6052-10 6/5/97 0	GHG02301D:	(Continued)		
Acenaphthylene		10	U μg/	O
Anthracene		10	U μg/	
Benzene		670	μg/	
Benzo(a)anthracene		10	U μg/	
Benzo(a)pyrene		10	U μg/	
Benzo(b)fluoranthene		10	U μg/	
Benzo(g,h,i)perylene		10	U μg/	
Benzo(k)fluoranthene		10	U μg/	
Chlorobenzene		1	U μg/	
Chrysene		10	U μg/	
Dibenzo(a,h)anthracene		10	U μg/	
Ethylbenzene		380	μg/	
Fluoranthene	•	10	$U \mu g/$	
Fluorene		10	$U \mu g/$	
<pre>Indeno(1,2,3-cd)pyrene</pre>		10	U μg/	
Methyl tert-butylether	20 2	50	μg/	
Naphthalene		10	$U \mu g/$	
Phenanthrene		10	U μg/	
Pyrene		10	$U = \mu g/$	
Toluene		49	μg/	
m-Xylene& p-Xylene	-	520	μg/	
o-Xylene		240	μg/	
JR6052-116/5/97	GHT00002:			
	JIIIOOOOZ.			
1,2-Dichlorobenzene		1	U μg/	'l
1,3-Dichlorobenzene		1	U μg/	
1,4-Dichlorobenzene		1	U μg/	
Benzene		1	U μg/	
Chlorobenzene		1	υ <i>μ</i> g/	
Ethylbenzene		1	U μg/	
Methyl tert-butylether		2	U μg/	
Toluene		1	U μg/	
m-Xylene &p-Xylene		1	U μg/	
o-Xylene		1	U μg/	'l
-				
JR6052-2 6/5/97 0	<u>GHG01501</u> :			
1,2-Dichlorobenzene		1	U ug/	, 0
1,3-Dichlorobenzene		1	, , ,	
1,4-Dichlorobenzene		1	' '	
1-Methylnaphthalene		10	1.01	
2-Methylnaphthalene		10	1 0/	
Acenaphthene		10	, 0/	
Acenaphthene Acenaphthylene		10	, 0,	
Anthracene		10	, 0,	
Benzene		230	, 0,	
Benzo(a)anthracene	i i		μg/ U μg/	
Benzo(a)pyrene		1 1 1		
		10 10	1 0/	
Benzo(b)fluoranthene		10 10 10	υ μg/ U μg/ U μg/	'l

JR6052-2	6/5/97	GHG01501:	(Continued)		
Benzo(g,h,i)perylene			10		
Benzo(k)fluoranthene			10	U	$\mu g/\ell$
Chlorobenzene			10	U	$\mu g/l$
Chrysene			10	U	$\mu g/\ell$
Dibenzo(a,h)anthrace	ne .		10	U	μg/l
Ethylbenzene	ile		16	U	μg/l
Fluoranthene			10	TY	μg/l
Fluorene			10	U	μg/l
Indeno(1,2,3-cd)pyre	ne ne		10	U U	μg/l
Methyl tert-butylethe			15	U	μg/l
Naphthalene			10	U	μg/l
Phenanthrene			10	Ū	μg/l
Pyrene			10	U	μg/l
Toluene			6	U	μg/l
m-Xylene &p-Xylene			5		μg/l
o-Xylene			12		μg/l
,			12		μg/l
JR6052-3	6/5/97	CHC02201.	(()		
JRUUJZ-J	0/3/9/	<u>GHG02201</u> :	(Continued)		
1,2-Dichlorobenzene			1	U	μg/l
1,3-Dichlorobenzene			1	Ū	μg/l
1,4-Dichlorobenzene			1	Ū	μg/l
1-Methylnaphthalene			10	U	$\mu g/l$
2-Methylnaphthalene			10	U	μg/l
Acenaphthene			10	U	μg/l
Acenaphthylene			10	U	μg/l
Anthracene			10	U	μg/l
Benzene			1	Ū	μg/l
Benzo(a)anthracene			10	Ū	μg/l
Benzo(a)pyrene			10	U	μg/l
Benzo(b)fluoranthene			10	U	μg/l
Benzo(g,h,i)perylene			10	U	μg/l
Benzo(k)fluoranthene			10	U	μg/l
Chlorobenzene			1	Ū	μg/l
Chrysene			10	U	μg/l
Dibenzo(a,h)anthracen	ıe		10	Ū	μg/l
Ethylbenzene			1	U	μg/l
Fluoranthene			10	U	μg/l
Fluorene			10	Ū	μg/l
<pre>Indeno(1,2,3-cd)pyren</pre>			10	Ū	μg/l
Methyl tert-butylethe	r		2	Ū	$\mu g/l$
Naphthalene			10	Ū	μg/l
Phenanthrene			10	Ū	μg/l
Pyrene			10	Ū	μg/l
Toluene			1	Ū	μg/l
m-Xylene &p-Xylene			1	Ū	μg/l
o-Xylene			1	U	μg/l

JR6052-4	6/5/97	<u>GHG01301</u> :			•	
1,2-Dichlorobenzene			1		U	μg/l
1,3-Dichlorobenzene			1		n <u>n</u> n	$\mu g/l$
1,4-Dichlorobenzene			1		Ū	μg/l
1-Methylnaphthalene			10		Ū	μg/l
2-Methylnaphthalene			10		Ü	μg/λ μg/l
Acenaphthene			10		Ū	μg/l
Acenaphthylene			10		Ü	μg/l μg/l
Anthracene			10		Ŭ	
			1		บ	μg/l
Benzene			10		U	μg/l
Benzo(a)anthracene			10		Ü	μg/l
Benzo(a)pyrene			10			μg/l
Benzo(b)fluoranthene					U U	μg/l
Benzo(g,h,i)perylene			10			$\mu g/\ell$
Benzo(k)fluoranthene			10		U	$\mu g/l$
Chlorobenzene			1		U	$\mu g/\ell$
Chrysene			10		U	μg/l
Dibenzo(a,h)anthrace	ne		10		U	$\mu g/\ell$
Ethylbenzene			1		U	$\mu g/\ell$
Fluoranthene			10		U	$\mu g/\ell$
Fluorene			10		U	$\mu g/\ell$
Indeno(1,2,3-cd)pyre			10		U	$\mu g/\ell$
Methyl tert-butyleth	er		2		U	$\mu g/\ell$
Naphthalene			10		U	$\mu g/l$
Phenanthrene			10		U	$\mu g/\ell$
Pyrene			10		U	$\mu g/\ell$
Toluene			1		U	$\mu g/\ell$
m-Xylene &p-Xylene			1		U	$\mu g/l$
o-Xylene			1		U	$\mu \mathrm{g}/\ell$
JR6052-5	6/5/97	GHG01401:				
1,2-Dichlorobenzene			1		U	us / 0
1,3-Dichlorobenzene			1		U	μg/l
1,4-Dichlorobenzene			1		U	$\mu g/\ell$
1-Methylnaphthalene			10		Ū	$\mu g/\ell$
2-Methylnaphthalene			10			$\mu g/\ell$
					U	$\mu g/\ell$
Acenaphthene			10		U	$\mu g/\ell$
Acenaphthylene			10		U	μg/l
Anthracene			10		U	μg/l
Benzene			1		U 	$\mu g/\ell$
Benzo(a)anthracene			10		U	$\mu g/\ell$
Benzo(a)pyrene			10		U	$\mu g/\ell$
Benzo(b)fluoranthene			10		U	$\mu g/\ell$
Benzo(g,h,i)perylene			10		U	$\mu g/l$
Benzo(k)fluoranthene			10		U	$\mu g/\ell$
Chlorobenzene			1		U	$\mu g/\ell$
Chrysene			10		U	$\mu g/\ell$
Dibenzo(a,h)anthrace	ne		10		U	$\mu g/\ell$
Ethylbenzene			1		U	$\mu g/\ell$
Fluoranthene			10		U	$\mu g/\ell$
Fluorene			10		U	$\mu g/\ell$

JR6052-5 6/5/97 GHG	01401: (Continued)
Indeno(1,2,3-cd)pyrene	10 U μg/l
Methyl tert-butylether	2 $U \mu g/l$
Naphthalene	10 U μg/l
Phenanthrene	10 U $\mu g/l$
Pyrene	10 U μg/l
Toluene	1 U $\mu g/\ell$
m-Xylene &p-Xylene	1 U $\mu_{\rm g}/\ell$
o-Xylene	$\frac{1}{1}$ U $\mu g/\ell$
JR6052-6 6/5/97 GHC	<u>01901</u> :
3.00 Dt 13.00 h	1
1,2-Dichlorobenzene	1 U $\mu g/\ell$
1,3-Dichlorobenzene	1 U $\mu g/\ell$
1,4-Dichlorobenzene	1 U μ_g/ℓ
1-Methylnaphthalene	10 U $\mu g/\ell$
2-Methylnaphthalene	10 U $\mu g/\ell$
Acenaphthene	10 U $\mu g/\ell$
Acenaphthylene	10 U $\mu g/\ell$
Anthracene	10 U $\mu g/\ell$
Benzene	1 U $\mu g/\ell$
Benzo(a)anthracene	10 U $\mu g/\ell$
Benzo(a)pyrene	10 U $\mu g/\ell$
Benzo(b)fluoranthene	10 U $\mu g/\ell$
Benzo(g,h,i)perylene	10 U $\mu g/\ell$
Benzo(k)fluoranthene	10 U $\mu g/\ell$
Chlorobenzene	1 U $\mu g/\ell$
Chrysene	10 U $\mu g/\ell$
Dibenzo(a,h)anthracene	10 U $\mu g/\ell$
Ethylbenzene	1 U $\mu g/\ell$
Fluoranthene	10 U $\mu g/\ell$
Fluorene	10 U $\mu g/\ell$
Indeno(1,2,3-cd)pyrene	10 U $\mu g/\ell$
Methyl tert-butylether	2 U $\mu g/\ell$
Naphthalene	10 U $\mu g/\ell$
Phenanthrene	10 U $\mu g/\ell$
Pyrene	10 U $\mu g/\ell$
Toluene	1 U $\mu g/\ell$
m-Xylene &p-Xylene	1 U μ_{g}/ℓ
o-Xylene	1 U $\mu g/\ell$
JR6052-7 6/5/97 GHG	<u>:02401</u> :
1 2 Diahlawah	
1,2-Dichlorobenzene	$egin{array}{cccccccccccccccccccccccccccccccccccc$
1,3-Dichlorobenzene	r-6/
1,4-Dichlorobenzene	1 U $\mu g/\ell$
1-Methylnaphthalene	10 U $\mu g/\ell$
2-Methylnaphthalene	10 U $\mu g/\ell$
Acenaphthene	10 U $\mu g/\ell$
Acenaphthylene	10 U $\mu g/\ell$
Anthracene	10 U $\mu g/\ell$

JR6052-7	6/5/97	GHG02401:	(Continued)		
Benzene			5		$\mu g/\ell$
Benzo(a)anthracene			10	U	μg/l
Benzo(a)pyrene			10	U	μg/l
Benzo(b)fluoranthene	٠		10	U	μg/l
Benzo(g,h,i)perylene			10	U	μg/l
Benzo(k)fluoranthene			10	U	μg/l
Chlorobenzene			1	U	μg/l
Chrysene			10	U	μg/l
Dibenzo(a,h)anthrace	ene		10	U	$\mu g/\ell$
Ethylbenzene			1	U	μg/l
Fluoranthene			10	U	μg/l
Fluorene			10	U	μg/l
Indeno(1,2,3-cd)pyr	ene		10	U	μg/l
Methyl tert-butylet			2	U	$\mu g/\ell$
Naphthalene			10	U	$\mu {\sf g}/\ell$
Phenanthrene			10	U	$\mu g/l$
Pyrene			10	U	$\mu g/l$
Toluene			1	U	$\mu g/l$
m-Xylene &p-Xylene			1	U	μg/l
o-Xylene			$\bar{1}$	Ū	μg/l
JR6052-8	6/5/97	GHG02301:			
1,2-Dichlorobenzene			1	U U	μg/l
1,3-Dichlorobenzene			1		μg/l
1,4-Dichlorobenzene			1	U U	μg/l
1-Methylnaphthalene			10	U	μg/l
2-Methylnaphthalene			10 10	U ·	μg/l
Acenaphthene			10	U	μg/l
Acenaphthylene			10	U	μg/l
Anthracene			620	U	μg/l
Benzene			10	υ	μg/l
Benzo(a)anthracene			10	U	μg/l
Benzo(a)pyrene	_		10	U	μg/l
Benzo(b)fluoranthen			10	U	μg/l
Benzo(g,h,i)perylen			10	Ü	μg/l
Benzo(k)fluoranthen	e		1	U	μg/l
Chrysons			10	Ü	μg/l μg/l
Chrysene Dibenzo(a,h)anthrac	ono		10	U	μg/l
Ethylbenzene	ene		360	U.	μg/l
Fluoranthene			10	U	μg/l
Fluorene			10	Ū	μg/l
Indeno(1,2,3-cd)pyr	ene		10	Ü	μg/l
Methyl tert-butylet			45	•	μg/l
Naphthalene			10	U	μg/l
Phenanthrene			10	U	μg/l
Pyrene			10	Ü	μg/l
Toluene			42		μg/l
m-Xylene &p-Xylene			420		μg/l
o-Xylene			210		μg/l

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1,2-Dichlorobenzene	1		U	$\mu g/\ell$
1,3-Dichlorobenzene	1		U	μ g/ ℓ
1,4-Dichlorobenzene	1		U	μ g/ l
1-Methylnaphthalene	10		U	μ g/ ℓ
2-Methylnaphthalene	10		U	$\mu g/\ell$
Acenaphthene	10		U	$\mu g/l$
Acenaphthylene	10		U	$\mu g/\ell$
Anthracene	10		U	$\mu g/\ell$
Benzene	1		U	$\mu g/l$
Benzo(a)anthracene	10		U	$\mu g/l$
Benzo(a)pyrene	10		U	$\mu g/\ell$
Benzo(b)fluoranthene	10		U	$\mu g/\ell$
Benzo(g,h,i)perylene	10		U	$\mu g/\ell$
Benzo(k)fluoranthene	10		U	$\mu g/\ell$
Chlorobenzene	1		U	μg/l
Chrysene	10		U	$\mu g/\ell$
Dibenzo(a,h)anthracene	10		U	μg/l
Ethylbenzene	1		U	$\mu g/\ell$
Fluoranthene	10		U	$\mu g/l$
Fluorene	10		U	μ g/l
Indeno(1,2,3-cd)pyrene	10		U	$\mu g/l$
Methyl tert-butylether	2		U	$\mu {\sf g}/\ell$
Naphthalene	10		U	$\mu {\sf g}/\ell$
Phenanthrene	10	•	U	$\mu g/\ell$
Pyrene	10		U	$\mu g/l$
Toluene	1		U	$\mu g/\mathit{l}$
m-Xylene &p-Xylene	1		U	$\mu g/l$
o-Xylene	-1		U	$\mu g/\ell$